

Name: _____

at1110paper__practice__test (v16)

1. Expand the following expression into standard form.

$$(9x + 7)(9x - 7)$$

2. Factor the expression.

$$81x^2 - 64$$

3. Expand the following expression into standard form.

$$(7x + 2)^2$$

4. Expand the following expression into standard form.

$$(7x - 9)(4x + 5)$$

5. Solve the equation.

$$(3x - 4)(5x - 2) = 0$$

6. Solve the equation.

$$4x^2 - 18x + 12 = 2x^2 - 3x + 5$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 20x - 18x - 24 = 0$$

8. Factor the expression.

$$x^2 - 11x + 28$$